

NYSMEA 2004 Annual Conference

Friday June 4,			
9:00 - 10:00 AM	Registration/Breakfast		Chancellors Hall, Kanas
10:00 - 11:00 a.m.	Session 1 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Hands-on Workshop	Fish Diversity Explore fish adaptations and teaching strategies to use in your classroom.	Dr. Merryl Kafka, Curator, WCS/NY Aquarium	Chancellors Hall, Room 102
2. Workshop	Southampton College Marine Science Program: How We Got To The Top	Dr. Chris Gobbler, Chairman, Department of Marine Science, Southampton College	Chancellors Hall, Room 235
11:10 a.m. - 12:10 p.m.	Session 2 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Lecture	Salt Marsh Interactions Examine a unique habitat that occurs along our coastline and much of Long Island shore, via slides and lecture.	Steve Lander, Consultant/Science Education Services	Chancellors Hall, Room 234
2. Hands-on Workshop	Creating an Interactive Measurement Model Learn how to create one with digital photos, video clips and software. Use this process with your class to document field studies.	David Baker, STANYS, Director Environmental Science	Chancellors Hall, Room 235
3. Lecture 1 3/4 hr. E.T. Pick up Lunch	Invertebrate Biodiversity: An Easter Island Experience Challenges associated with conducting a biological inventory of invertebrates on Easter Island, a unique and isolated island population resulting in a detailed 4,000 specimen invertebrate collection.	Dr. John Tanacredi, Dept. Chairman, Earth/Marine Science, Dowling College	Chancellors Hall, Room 102
4. Lecture/Activit y	A Reef Grows in Riverhead and Coral Biology Learn basic coral biology and see how a 20,000 gallon reef tank goes from sketches to reality.	Joseph Yaiullo, Co-Founder/Curator, Atlantis Marine World	Chancellors Hall, Room 237
5. Workshop	Clean Streets/Clean Beaches Find out about connections between street and beach litter. Receive a copy of EPA video and teacher guide.	Teresa Ippolito, Envir. Education Coordinator, U.S.Environmental Protection Agency	Chancellors Hall, Room 201

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Friday 12:30 - 1:30 p.m.	Box Lunch		Chancellors Hall, Kanas Lobby
1:30 - 2:30 p.m.	Session 3 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1:30 - 3:30 p.m.	Boat Trip Concurrent with Session 3		
1. Field Trip 2 hrs. E.T.	Boat Trip From College Dock Common Fishes of Long Island	Dick McIntyre, Dir., Marine Science Center and Dr. Howard Reisman, Southampton College, RV Shinnecock	College Dock
2. Hands-on Workshop	Explore Teaching about Ocean Life on a Cart Participate in activities using touchable artifacts, specimens, and games while exploring mollusks, cnidarians, plankton, and seaweeds.	Lisa Breslof, Supervising Museum Science Instructor, American Museum of Natural History	Chancellors Hall, Room 234
5:00 - 6:00 p.m.	Wine and Cheese		Chester C. Wood Hall and
6:00 - 7:00 p.m.	Dinner		
7:30 - 8:30 p.m.	Keynote Presentation "Cognition in Marine Mammals" Dolphin capabilities and self- recognition.	Dr. Diana Reiss, Director of Marine Mammal Research, WCS/NY Aquarium	Chester C. Wood Hall
9:00 p.m.	Film: Gotham Fish Tales An inspiring and funny story of dogged fishermen who ply New York city waters, from Hell's Gate, to massive bridges, to the shadow of the Stature of Liberty. Official selection: New Port Beach, Vermont, and Howl film festivals and broadcast premiere on The Sundance Channel.	Robert Maass, Videographer	Chester C. Wood Hall

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Saturday June 5, 2004			
8:30 - 10:00 a.m.	Registration/Breakfast		Chancellors Hall, Kansas
9:00 - 10:00 a.m.	Keynote Presentation "Geology of New York Waterways" Discussion of some of the scenarios that created the present day waterways.	Sidney Hornstein, Emeritus Environmental Programs, American Museum of Natural History	Chancellors Hall, Duke Lecture Hall
10:15 - 11:15 a.m.	Session 1 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Lecture	Biodiversity in the Lower Hudson Valley and the Dominican Republic Discussion about teacher training of "living laboratory" programs in the lower Hudson River Valley of New York and the tropical coast of Punta Cana, Dominican Republic from The Center for Environmental Research and Conservation (CERC) at Columbia	Dr. Nancy Degnan, Assoc. Dir., Center for Environmental Research and Conservation and Dr. Scott Newman, Conservation Medicine Scientist, Wildlife Trust	Chancellors Hall, Room 234
2. Lecture/Activity 1 3/4 hrs. E.T.	Water: From Raindrop to Resource Chart the journey of N.Y. City's water and discuss its role to people and the environment. Topics include drinking water, wastewater, and waterways. Activities include water quality testing. DEP education resources will be discussed.	Doreen Bader, Research Scientist/Educator, N.Y.C. Department of Environmental Protection	Marine Science Center, Room 2
3. Lecture/Activity	Celebrating seahorses in your Classroom Explore ways to teach elementary grades about seahorses and pipefish. Learn some basic facts and develop lessons and crafts.	Doreen Williamson, Educator, Cornell Cooperative Extension/Atlantis Marine World	Chancellors Hall, Room 201
4. Lecture	The Old Port of New York Explore remains of the early port of Dutch New York that lies beneath the streets of Manhattan and the landfill process that continues today. Disussion will include the unearthing of structures and artifacts representing 300 years of New York history.	John Loret, Executive Director, Science Museum of Long Island, Past President, Explorers Club and Diver and Seamen for Thor Hyerdahl Expedition to Easter Island	Chancellors Hall, Room 236
10:15 a.m. - 12:15 p.m.	Boat Trip Concurrent with Sessions 1 and 2		
1. Field Trip 2 hrs. E.T.	Boat Trip from College Dock Seaweeds and Eelgrass-Long Island's Underwater Meadows and Seaweed Pressing	Dick McIntyre, Dir., Marine Science Center and Melanie Meade, Lab. Mgr. Marine Science Center RV Shinnecock	College Dock and Marine Science Center, Room 3

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Saturday 11:30 a.m. - 12:30 p.m.	Session 2 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Lecture	Plankton: Wanders of the Ocean What is plankton? How can they be classified? What is the significance of plankton from the evolutionary and ecological viewpoints?	Dr. Adriana Aquino, Scientific Assistant, American Museum of Natural History	Chancellors Hall, Room 102
2. Lecture/Activit y 1 3/4 hrs. E.T.	Ellie Jelly Looks at Marine Animals Inquiry, observation, and investigation will guide you through an exploration of marine animals with math, science, and literacy-building skills.	Robert Cummings, Sr. Instructor, WCS/N.Y. Aquarium	Chancellors Hall, Room 201
3. Lecture	Fostering an Inquiry Network Session shares AMNH inquiry network of teachers fostering k-12. Participants will access AMNH on-line resources, learn how others are using them, and practice specific inquiry strategies.	Dr. John Barell, Consultant, American Museum of Natural History	Chancellors Hall, Room 236

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Saturday 12:30 - 1:15	Box Lunch		Chancellors Hall, Kanas
12:30 - 2:15 p.m.	Workshops Concurrent with Session 3		
1. Field Trip 1 3/4 hrs. E.T.	Exploring Marine Biodiversity An introduction to World Wildlife Fund's new curriculum and a marine biodiversity field trip to Shinnecock Bay to seine and collect marine organisms, including invasive species. Wear old sneakers.	Douglas Schmid, Outdoor Environmental Educator, and Kimberly Williams, Smithtown School District Educator	Chancellors Hall, Room 102
2. Lecture/Hands-on 1 1/2 hrs. E.T. Pick Up Box Lunch	Diving in the Classroom Commercial divers will give you a unique look at their underwater expedition from above. Topics include marine biology, underwater exploration, underwater inspections, and careers in commercial diving.	Gene Ritter and Lenny Speregen, Cultural Marine Science Association	Marine Science Center, Room 2
1:15 - 2:15 p.m.	Session 3 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Lecture/Activity	Learning Biology from the Trilobite Extinct for 1/4 billion years, these fairly common fossils can teach many biological lessons. Simple measurements, graphing and the tiniest bit of math reveal molt patterns, life styles, and evolution.	Dr. John J. Chiment, Cornell Institute for Biology Teachers	Chancellors Hall, Room 201
2. Lecture	Wetland's Zoology: Reptiles, Fish, and More Classroom "field trip" will depict wetland habitats. Issues include, declining and malformed amphibians, rare and common reptiles, fish and aquatic insects, and a live animal demonstration.	Peter Warny, Research Associate, N.Y. State Museum	Chancellors Hall, Room 234
3. Lecture/Activity	Sailing into Science Class Presentation of how to turn your classroom into a research vessel. Ideas and activities for incorporating a nautical theme into a middle school life science curriculum.	Kristi M. Willis, Science teacher, Great Neck South Middle School	Chancellors Hall, Room 236

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Saturday 2:15 - 2:30 p.m.	Field Trip Atlantis Marine World		
2:15 p.m.	Board Bus or Car Pool		
2:30 p.m.	Departure		
3:00 - 4:00 p.m.	Boat Trip	Atlantis Marine World Staff	Atlantis Marine World
4:00 - 5:30 p.m.	Tour of Aquarium and Dockside Wine and Cheese	Joe Yaiullo, Co-Founder/Curator and Eileen Dugan, Director of Programs and Outreach, and Aquarium Staff	Atlantis Marine World
5:30 p.m.	Return to Southampton College		
6:30 - 7:30 p.m.	Dinner at Southampton College		Chester C. Wood Hall
7:30 p.m.	Keynote Presentation "Heartbeats In The Muck" Environmental recovery of New York Harbor.	Dr. John Waldman, Environmental Scientist/Author, Hudson River Foundation	Chester C. Wood Hall
9:00 p.m.	AUKtion Supporting NYSMEA	Tom Vitti, Outdoor and Environmental Education, Nassau BOCES and Eddie Wilensky, Chairperson of Science and Technology, Oceanside High School	Chester C. Wood Hall

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Sunday June 6, 2004			
6:30 - 8:00 a.m.	Beach Walk and Exploration Investigate bay and ocean environments. Search for horseshoe crabs, ospreys and more!	Lou Siegel, Adjunct Professor, SUNY/Farmingdale College and Dowling College	Beach
8:00 - 9:00 a.m.	Breakfast		Chancellors Hall, Kanas
9:00 - 10:00 a.m.	Keynote Presentation "Volcanoes of the Deep Sea: Science Behind the IMAX" Exploration and discovery of the first black smoker hot springs, giant polymetallic mineral deposits, and ecosystem of life forms in the deep Atlantic. Attendees receive free AMNH tickets to see IMAX movie.	Dr. Peter Rona, Professor of Marine Geology and Geophysics, Institute for Marine and Coastal Sciences, Rutgers University	Chancellors Hall, Duke Lecture Hall
10:15 - 11:15 a.m.	Session 1 (All workshops are 1 hr. unless indicated Extended Time-ET)		
1. Lecture	Oceans Alive: Where to go for Information on Ocean Conservation and Fisheries Science An interactive workshop tailored to your needs in discovering the resources available for developing marine-related activities in the classroom. This includes reports, websites, books, literature-new and timeless standards	Mercedes Lee, VP, Blue Ocean Institute	Chancellors Hall, Room 201
2. Lecture	Make a Splash in Archaeology Seafaring and coastal adaptation play significant roles in history, but are seldom addressed. Outline nautical archaeology, archaeological evidence of seafaring, coastal activity and advancements made through experimental archaeology. Learn ideas for using seafaring to enhance social science and history.	Nancy Debono, Graduate Candidate, Dept. of Anthropology, Texas A & M University	Chancellors Hall, Room 234
3. Lecture	Teaching The New Marine Science A high school interdisciplinary course in marine biology and oceanography containing biology, chemistry, earth science, and physics will be presented and discussed with new science standards. Participants will receive lesson plans, labs., N.Y.S. regents exams, and a syllabus.	Tom Greene, President NYSMEA, Retired A.P., Fort Hamilton H.S., Adjunct Professor, Kingsborough Community College	Chancellors Hall, Room 235
4. Hands-on Lab.	The Earth Charter, Marine Biology and NYSMEA Applying integrated social and ecological values of the Earth Charter to marine education. How can NYSMEA play a role in advancing the Earth Charter's principles.	Dr. Frans C. Verhagen, Environmental Sociologist, Dir. Sustainability Research and Education, Earth and Peace Education Associates International	Chancellors Hall, Room 236

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Sunday 11:30 a.m. - 12:30 p.m.	Session 2 (All workshops are 1 hr unless indicated Extended Time-ET)		
1. Lecture/Hands- On	Sharks Learn about sharks of Long Island and the biology of sharks. See shark jaws, egg cases and learn about other resources available for teaching students about the wonderful world of sharks.	Mark Cappellino, Educator, Cornell Cooperative Extension/Atlantis Marine World	Chancellors Hall, Room 201
2. Lecture	Bridgeport Aquaculture School: Innovation For Aquaculture Education Overview of the Bridgeport Regional Vocational Aquaculture School's courses and curriculum.	Kirk Shadle and Paul Trupp, Educators, Bridgeport Regional Vocational Aquaculture School	Chancellors Hall, Room 234
3. Lecture	Finding Resources Using the New York State Standards Introduction to the methodology that aligns N.Y. State Standards-The Living environment Core Curriculum with existing aquatic-based classroom materials, non-formal field site and professional development programming. Participants will receive a comprehensive resource list, limited materials and take part in a Project Aquatic Wild activity.	Amanda Levy, Project Coordinator N.Y. University, The Wallerstein Collaborative For Urban Environmental Education	Chancellors Hall, Room 236
4. Lecture/Slides	Right Whales and Marine Mammals of Baja, California "See" sex on the beach and in the sea, a pelican feeding frenzy, and exotic desert plants in a visit to the lagoons of Baja, California and the Sea of Cortez.	Bernard Wides, Retired Teacher/ Naturalist, Coastal Ecology Learning Programs (CELP) Inc.	Chancellors Hall, Room 235
	Thank you for joining us. See you in 2005!		
	After Our Conference Celebrate Bay Day At The Water Front Center In Oyster Bay	Directions: L.I.E. or Northern State Parkway to Route 106 North into Oyster Bay, Beekman Beach. Activities until 4:00 p.m.	Oyster Bay
	Activities: Free kayaking, rowing, sailing, anything that floats race, and live music. Programs: Coast Guard boating safety, tall ship tours, and learn to fish workshop	Contact: 516-922-SAIL (7245)	